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NOTE
This staple temporarily holds the
schematic package together. Re-
move the staple before using the
schematics.

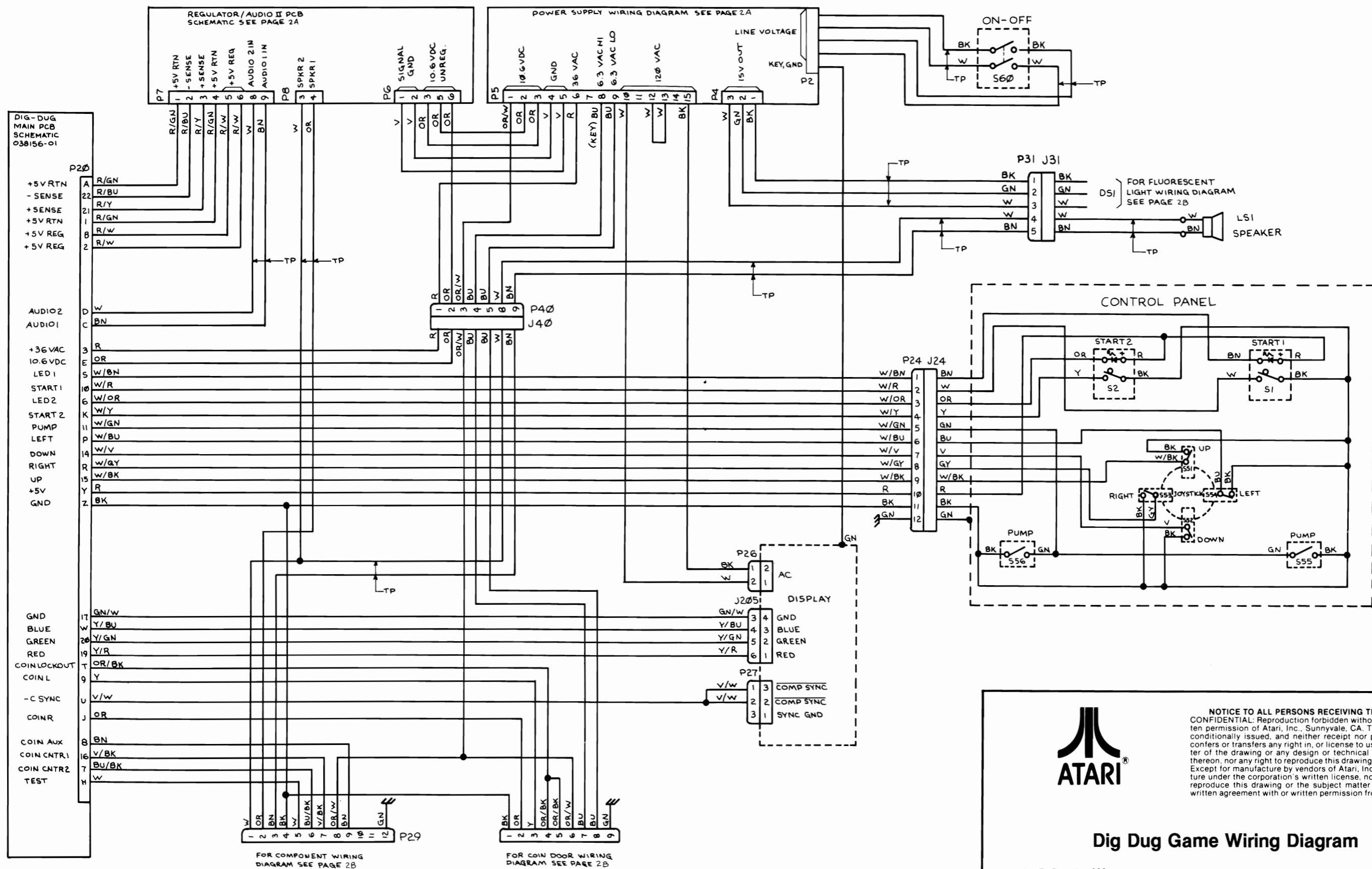


Operation, Maintenance and Service Manual

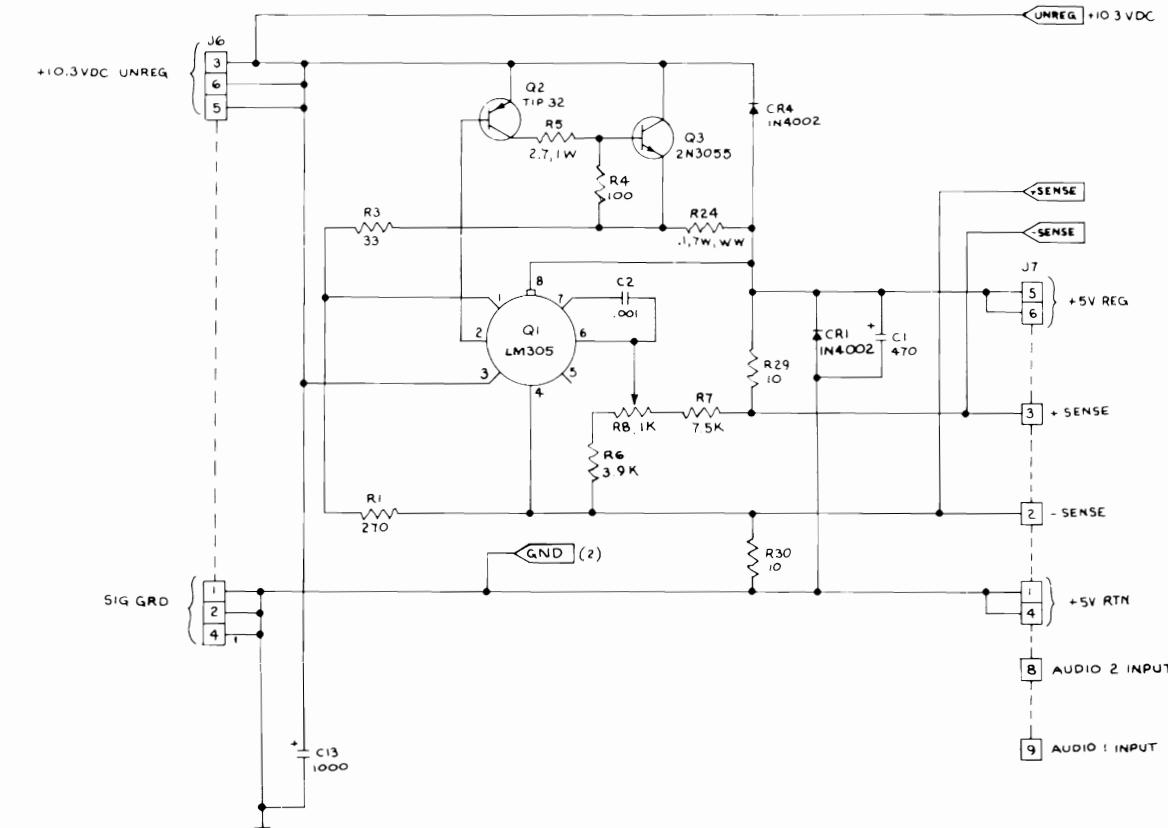


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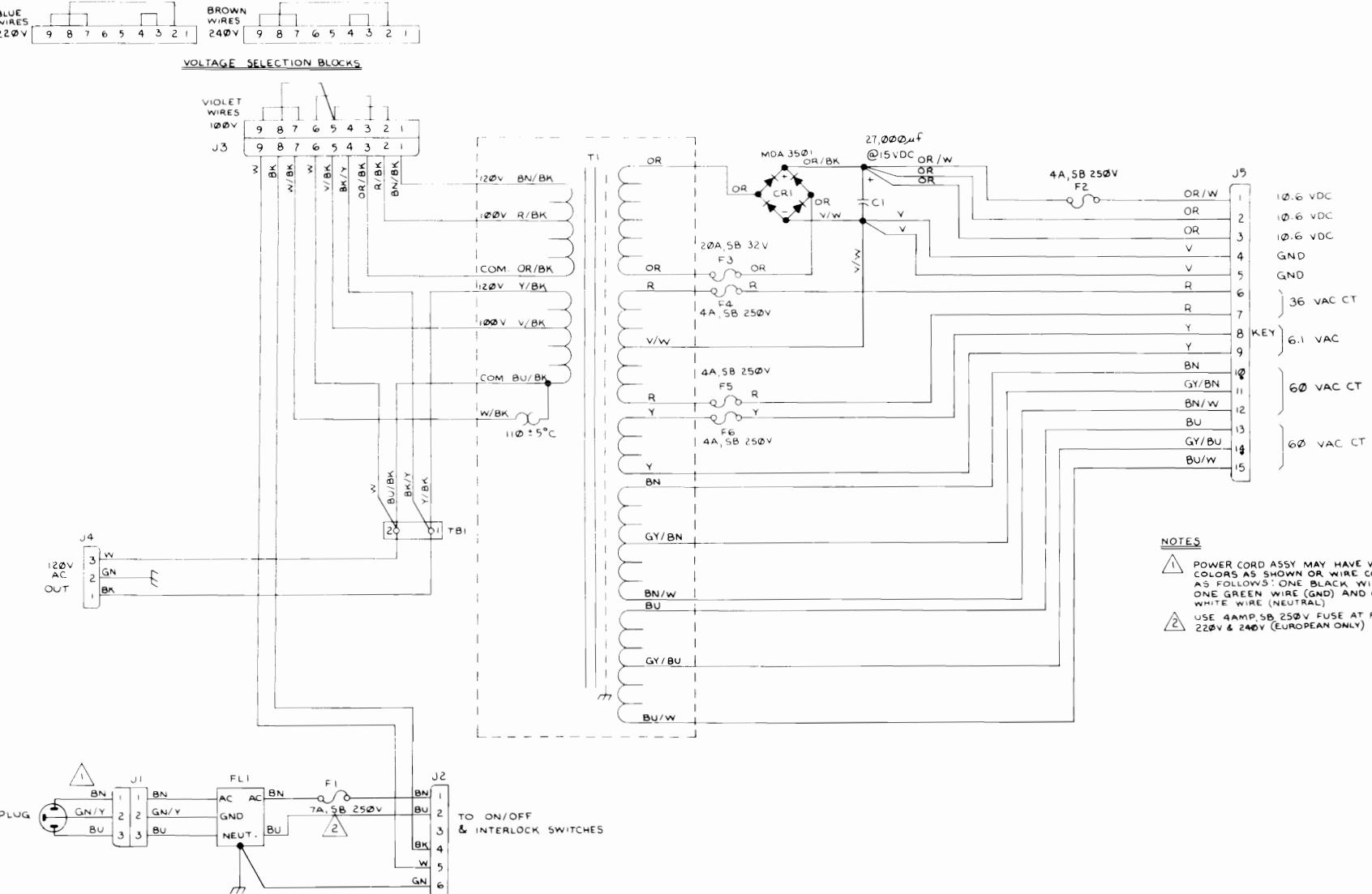
Dig Dug Upright Game Wiring Diagram



Regulator/Audio II PCB Schematic Diagram



Color Raster Power Supply Wiring Diagram

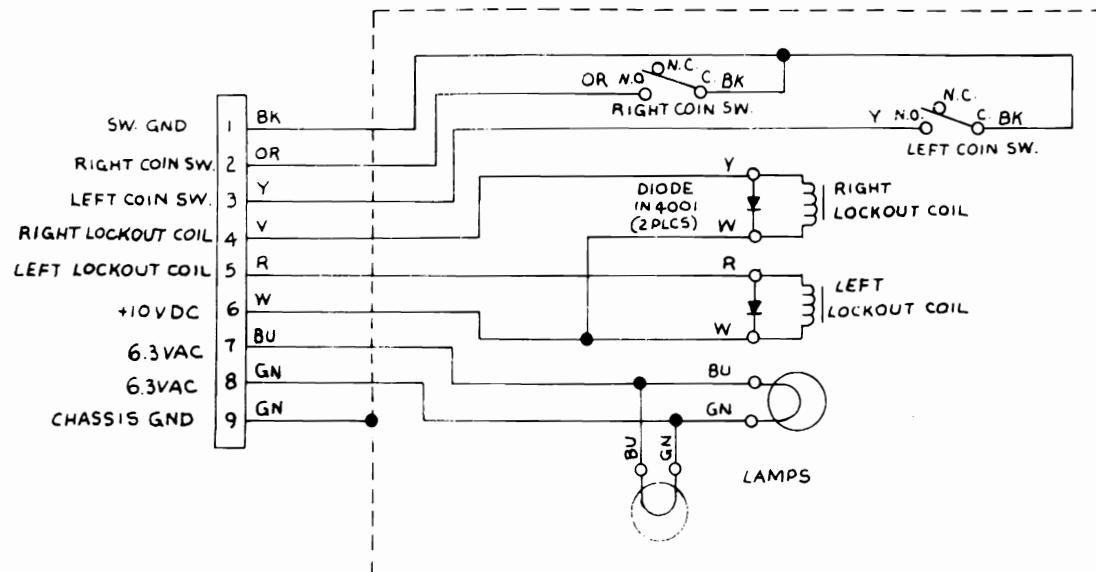


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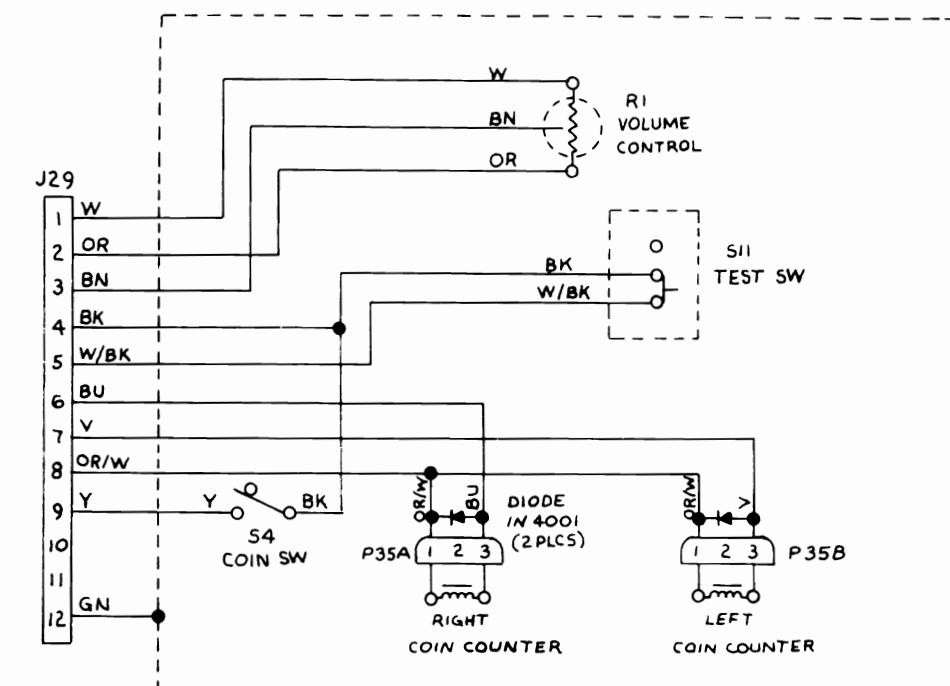


Dig Dug Power Supply and Reg./Audio II PCB

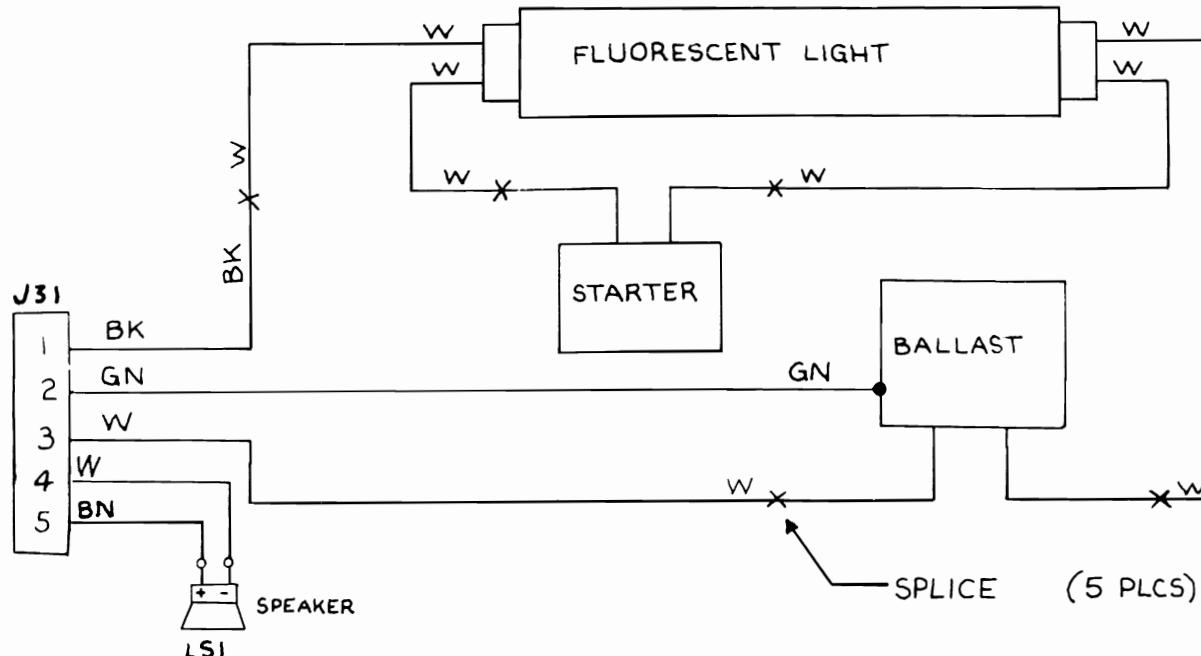
Coin Door Wiring Diagram



Utility Panel Wiring Diagram



Fluorescent Light And Speaker Wiring Diagram

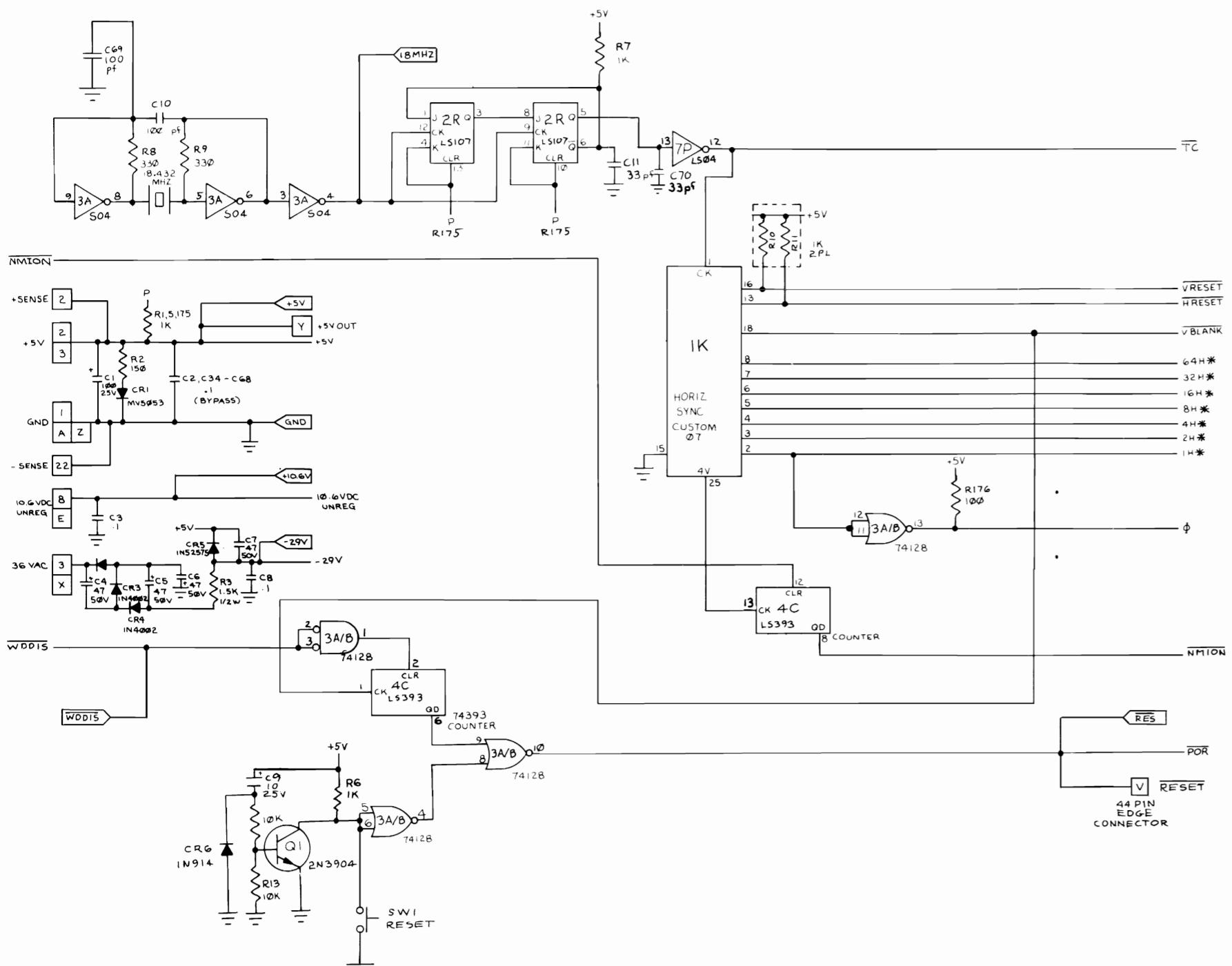


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Dig Dug Game Wiring Interfaces

CPU PCB Power Input, Clock, NMI, and Watchdog



MEMORY MAP

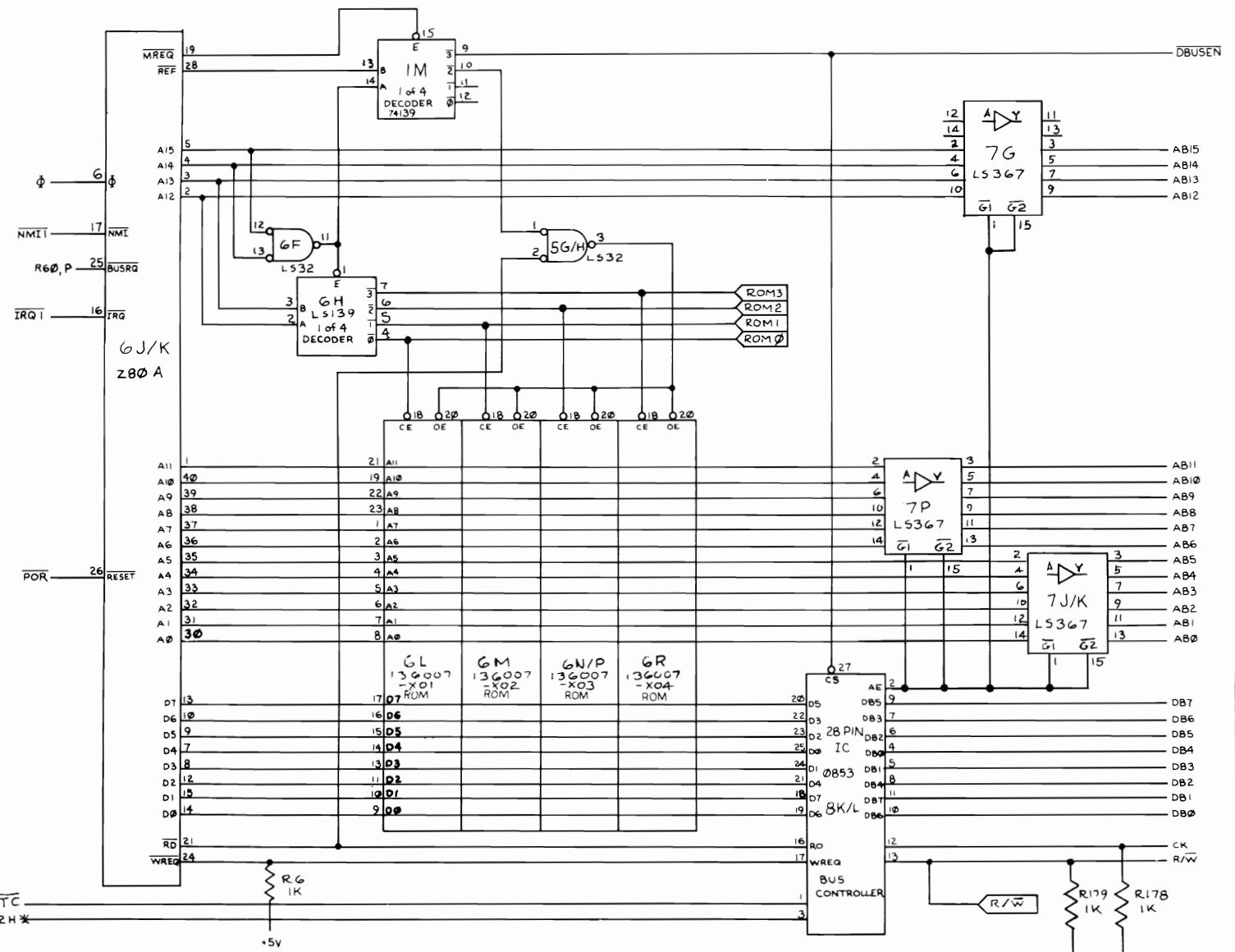
HEXA-DECIMAL ADDRESS	R/W	DATA								FUNCTION
		D7	D6	D5	D4	D3	D2	D1	D0	
0000-3FFF	R	D	D	D	D	D	D	D	D	1st Priority Z80 CPU ROM (16K)
0000-1FFF	R	D	D	D	D	D	D	D	D	2nd Priority Z80 CPU ROM (8K)
0000-0FFF	R	D	D	D	D	D	D	D	D	3rd Priority Z80 CPU ROM (4K)
6800-680F	W				D	D	D	D	D	Audio Control
6810-681F	W				D	D	D	D	D	Audio Control
6820	W									D = Reset IRQ1 (Latched)
6821	W									D = Reset IRQ2 (Latched)
6822	W									D = Enable NMI3 (Latched)
6823	W									D = Reset 2nd and 3rd Z80 CPUs (Latched)
6825	W									Custom Chip 53 Mode Control (Latched)
6826	W									Custom Chip 53 Mode Control (Latched)
6827	W									Custom Chip 53 Mode Control (Latched)
6830	W									Watchdog Reset
7000	R/W	D	D	D	D	D	D	D	D	Custom Chip 06—Data
7100	R/W	D	D	D	D	D	D	D	D	Custom Chip 06—Command
8000-87FF	R/W	D	D	D	D	D	D	D	D	2K Playfield RAM
8800-8BFF	R/W	D	D	D	D	D	D	D	D	1K Motion RAM (PIC)
9000-93FF	R/W	D	D	D	D	D	D	D	D	1K Motion RAM (HPOS, VPOS)
9800-9BFF	R/W	D	D	D	D	D	D	D	D	1K Motion RAM (FLIP)
A000	W									D = Playfield Select (Latched)
A001	W									D = Playfield Select (Latched)
A002	W									D = Playfield Color Select (Latched)
A003	W									D = Alphanumeric Color Select (Latched)
A004	W									D = Playfield Color Select (Latched)
A005	W									D = Playfield Color Select (Latched)
A007	W									Flip Video
B800-B83F	W	D	D	D	D	D	D	D	D	Write EAROM Address and Data
B800	R	D	D	D	D	D	D	D	D	Read EAROM Data
B840	W				D	D	D	D	D	Write EAROM Control



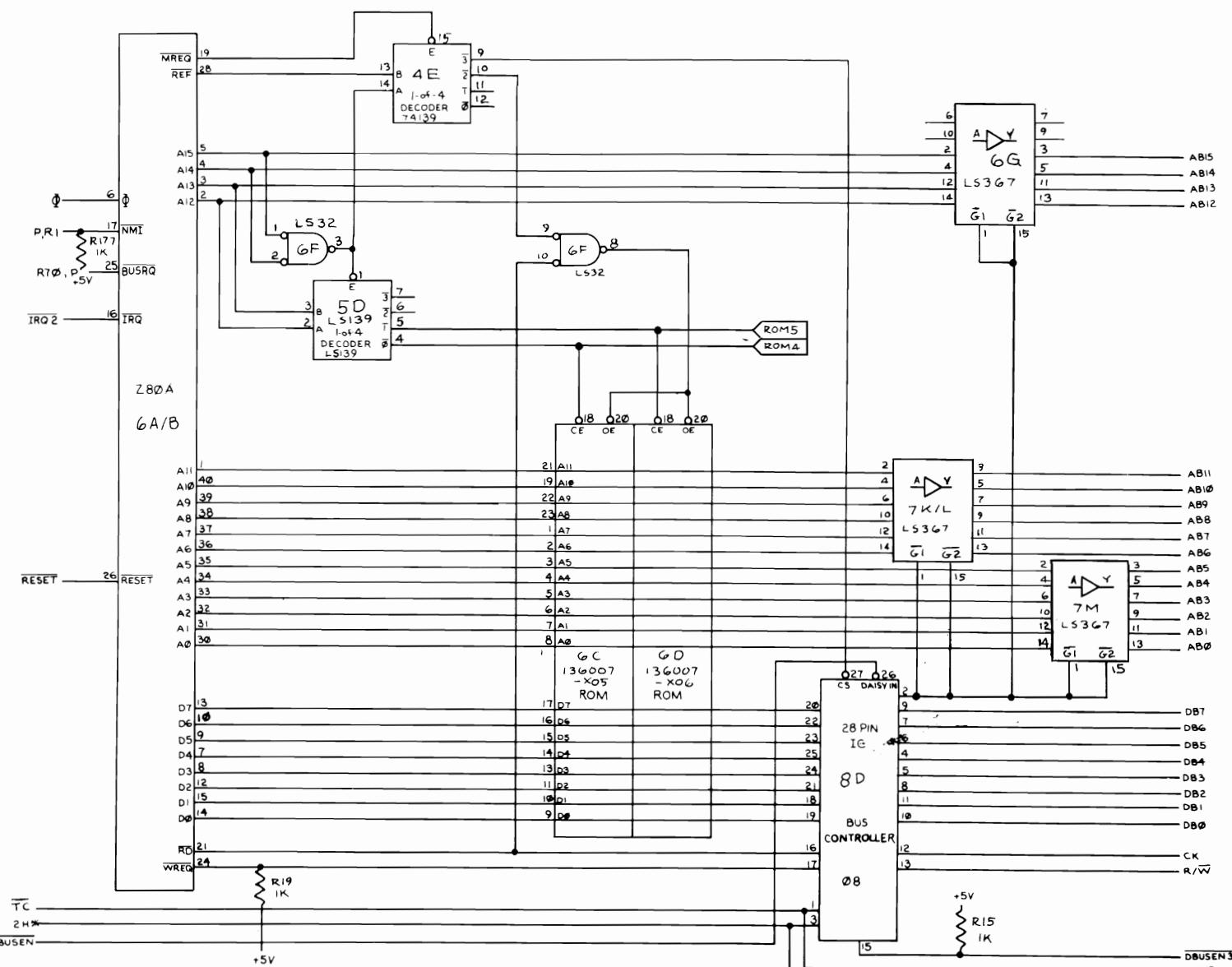
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Dig Dug CPU PCB Schematic Diagram

1st Priority CPU



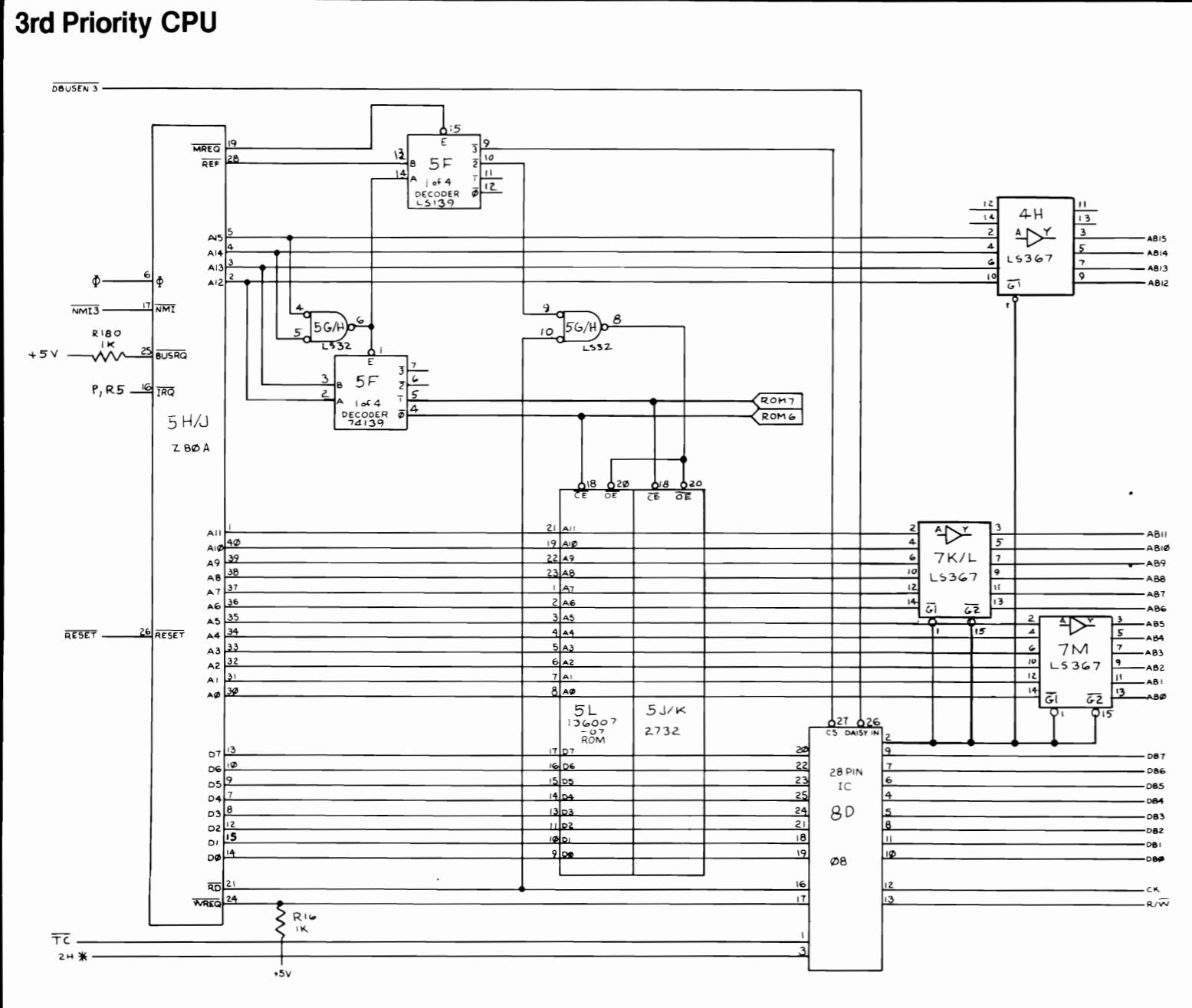
2nd Priority CPU



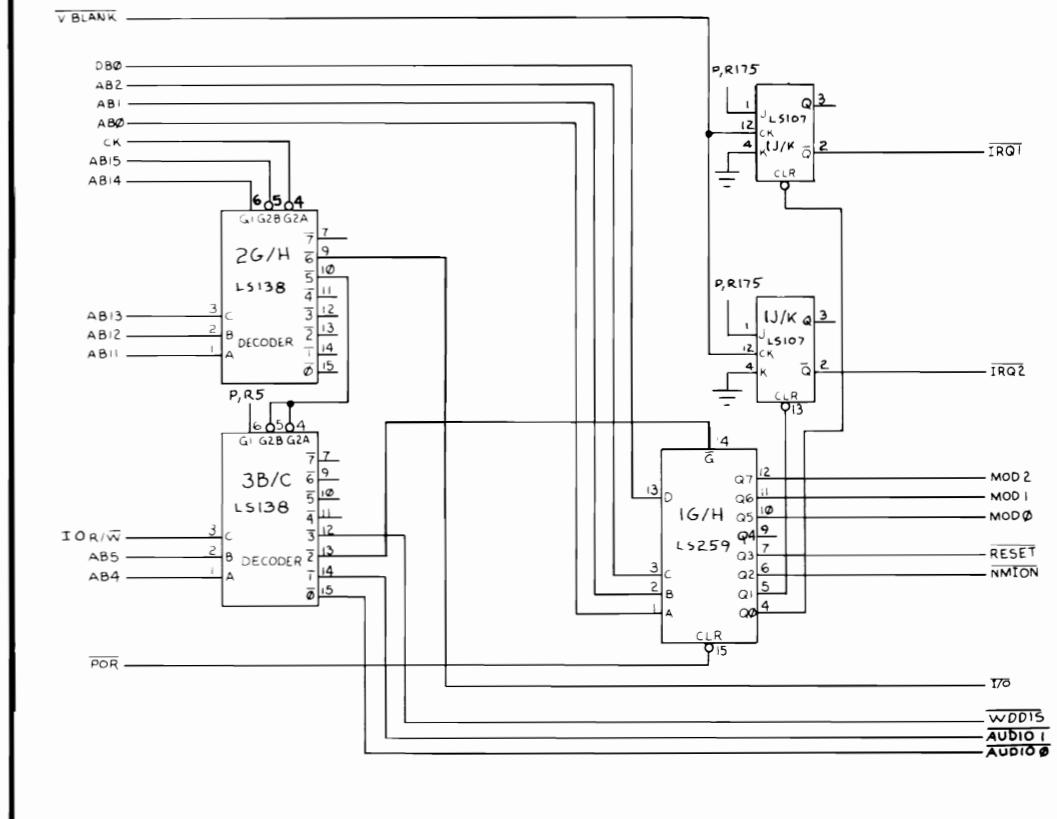
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Dig Dug CPU PCB Schematic Diagram

3rd Priority CPU



CPU PCB Address Decoder



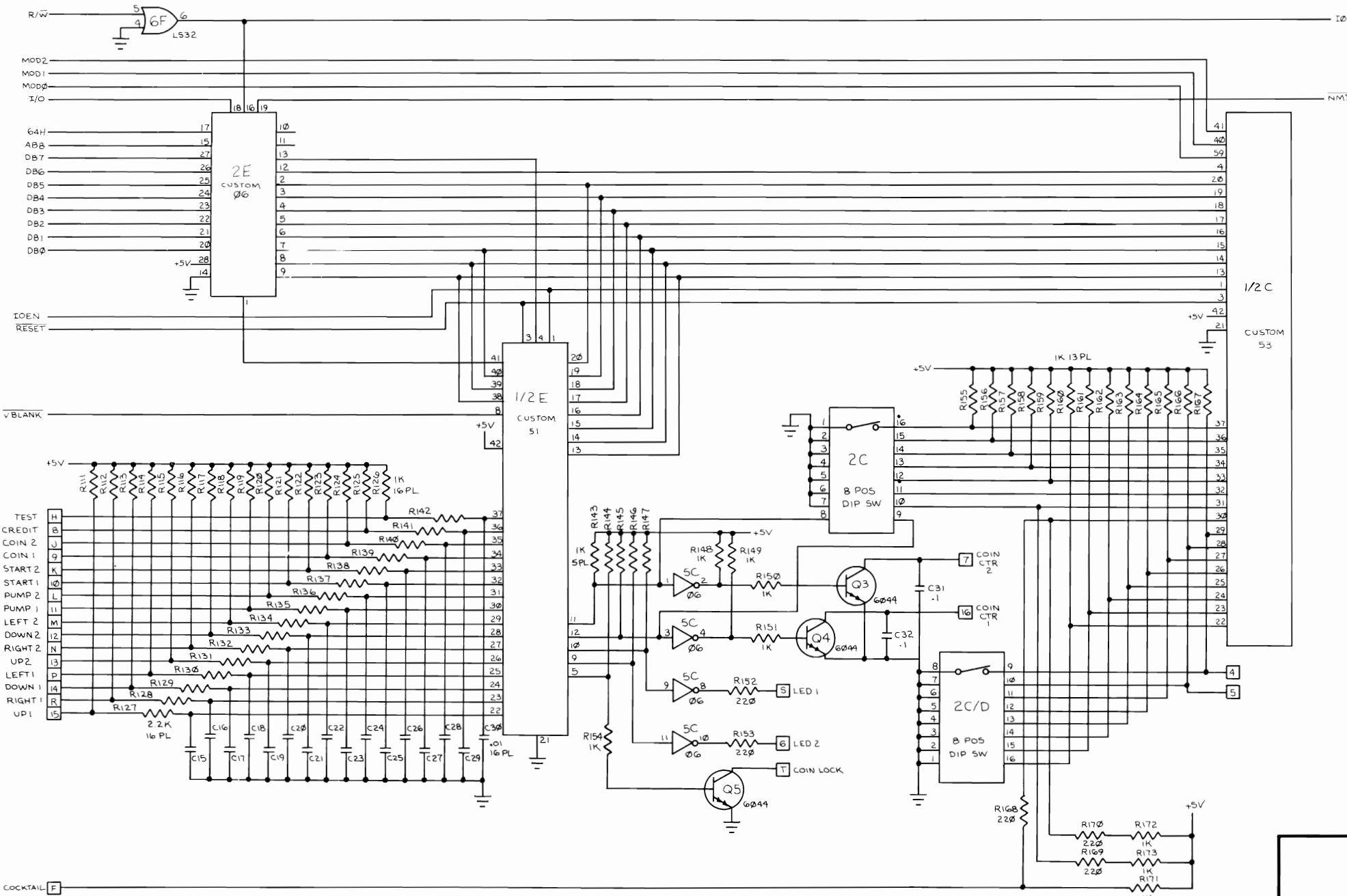
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Dig Dug CPU PCB Schematic Diagram

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Switch Inputs, Coin Door and Control Panel Outputs



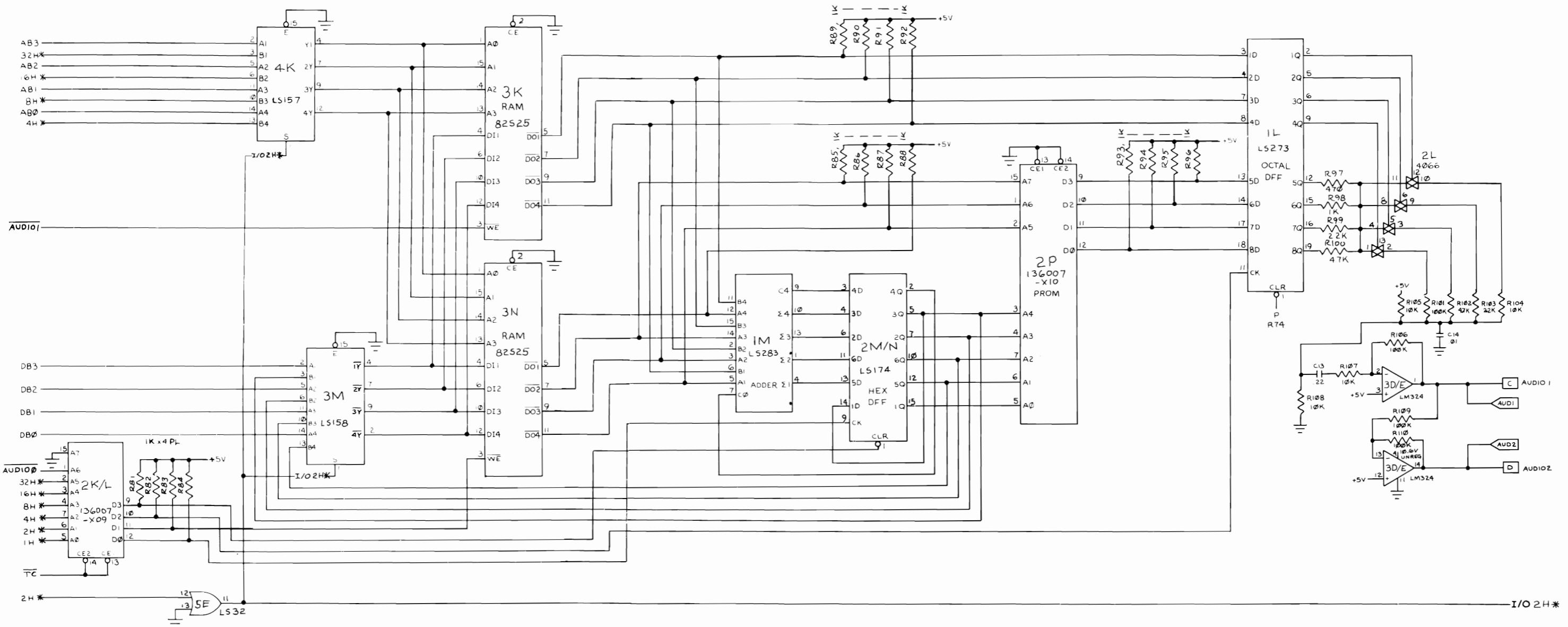
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Dig Dug CPU PCB Schematic Diagram

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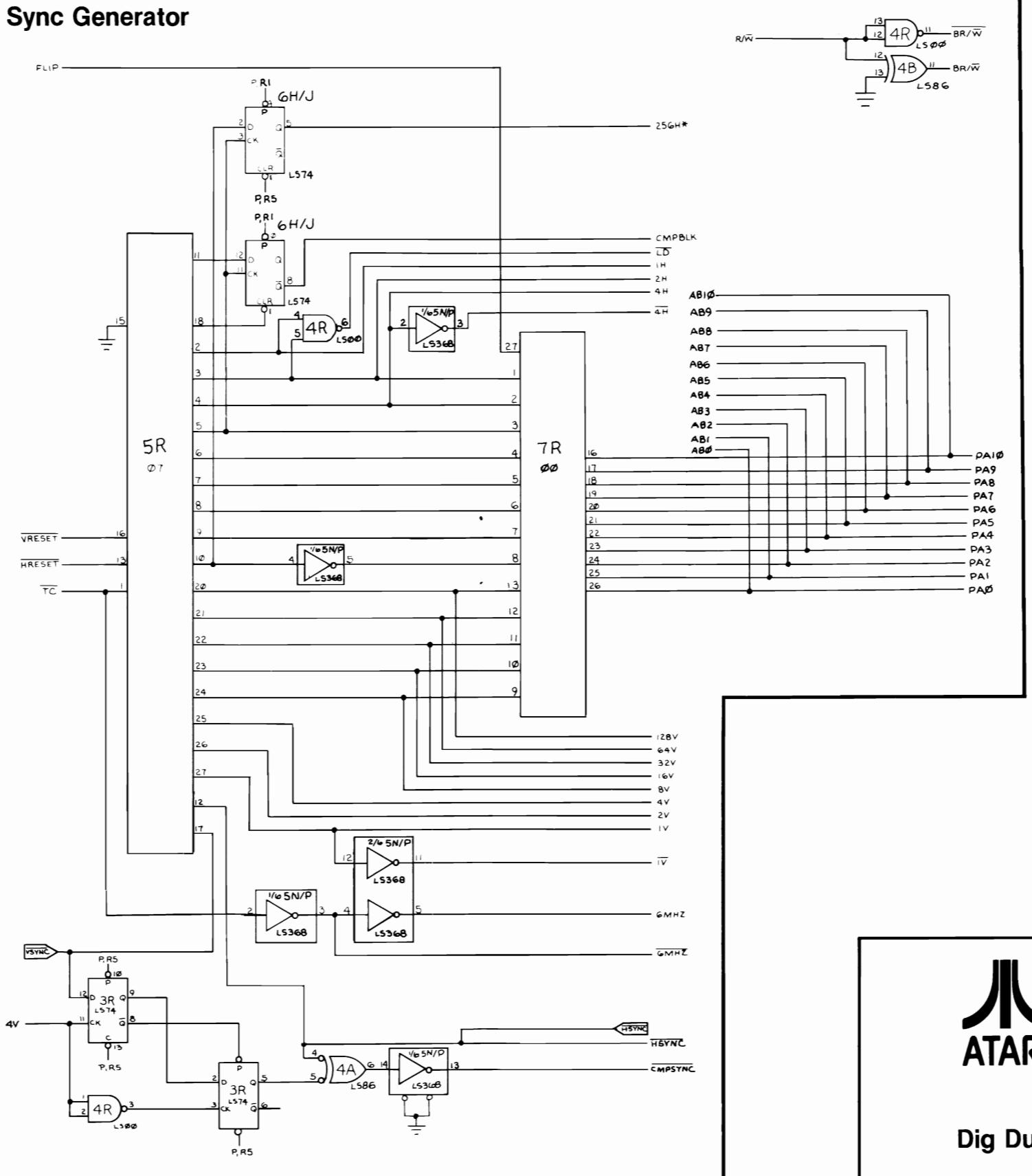
Audio



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Dig Dug CPU PCB Schematic Diagram

Sync Generator



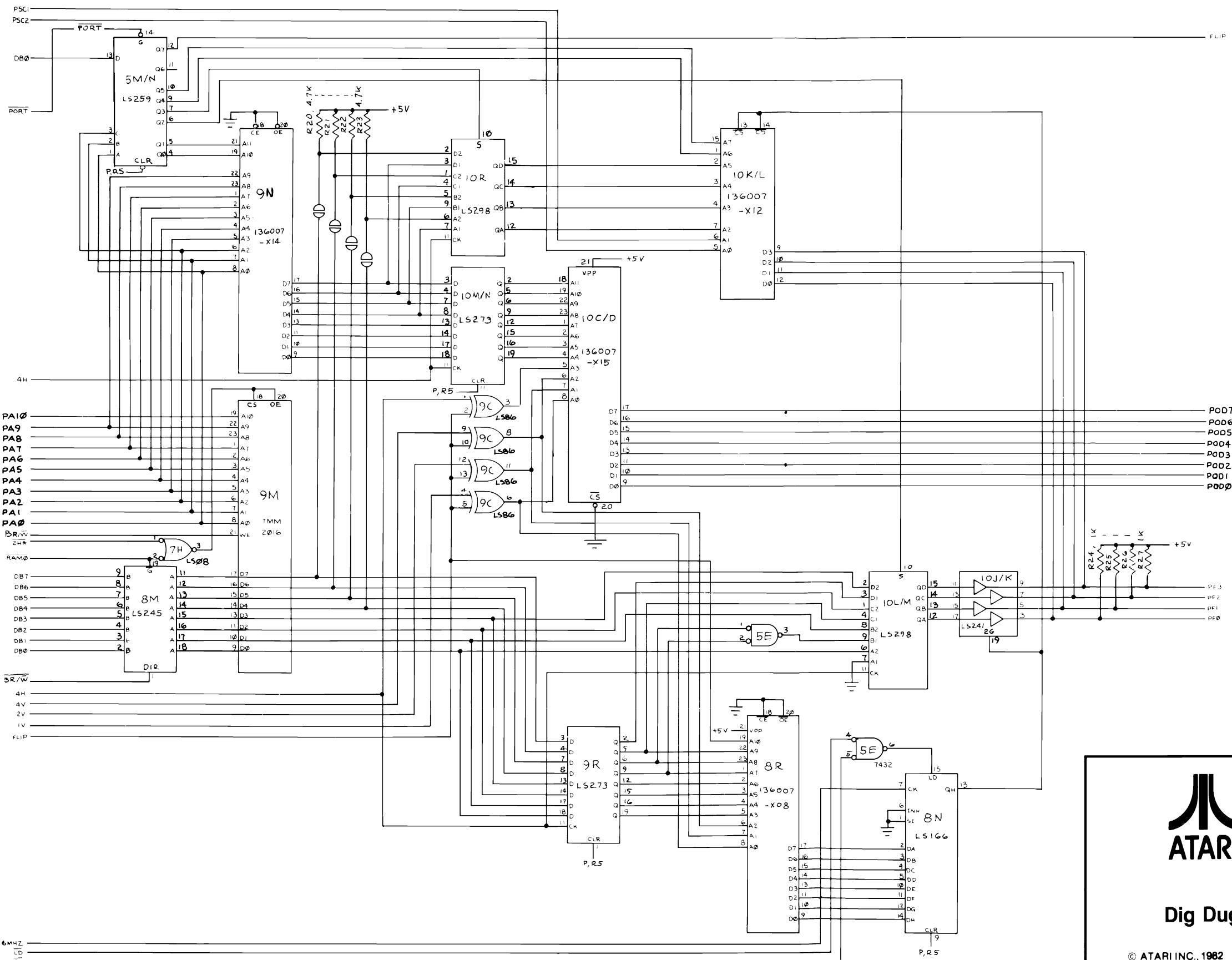
Dig Dug Video PCB Schematic Diagram

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Playfield Generator



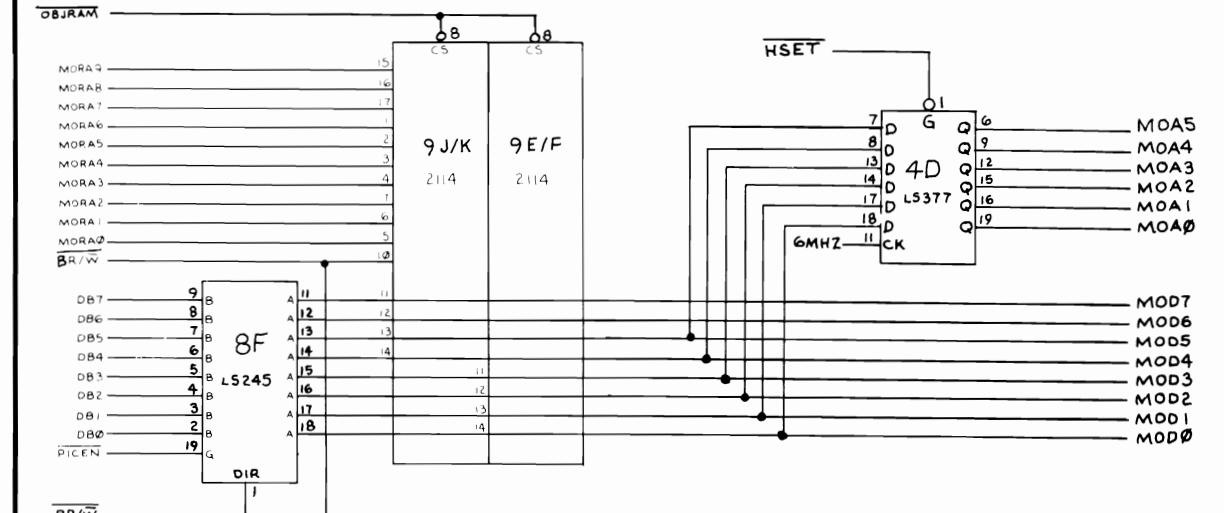
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Dig Dug Video PCB Schematic Diagram

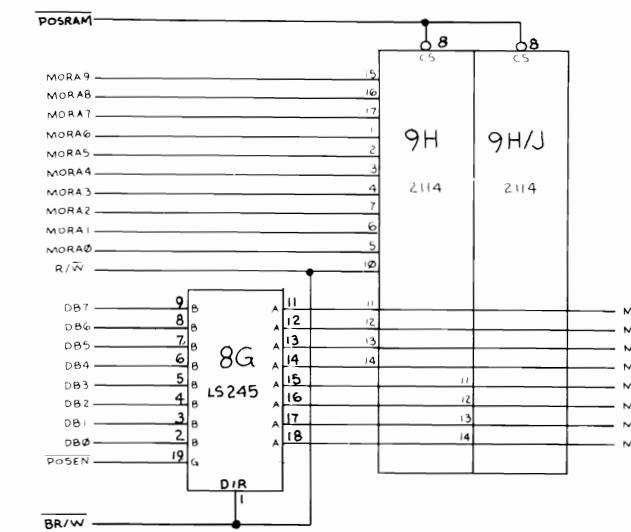
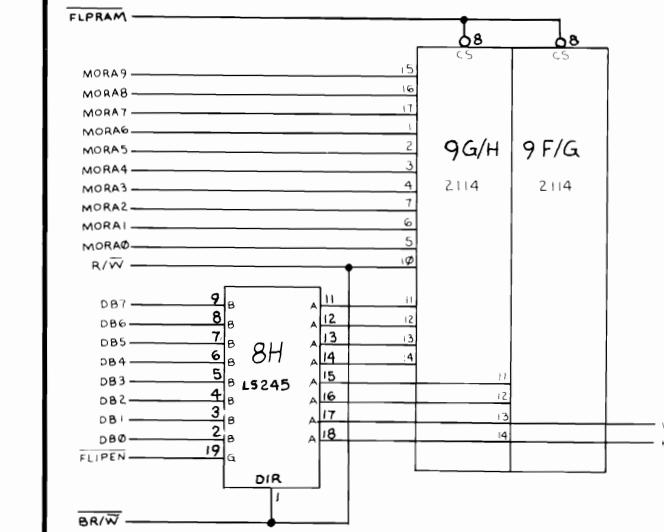
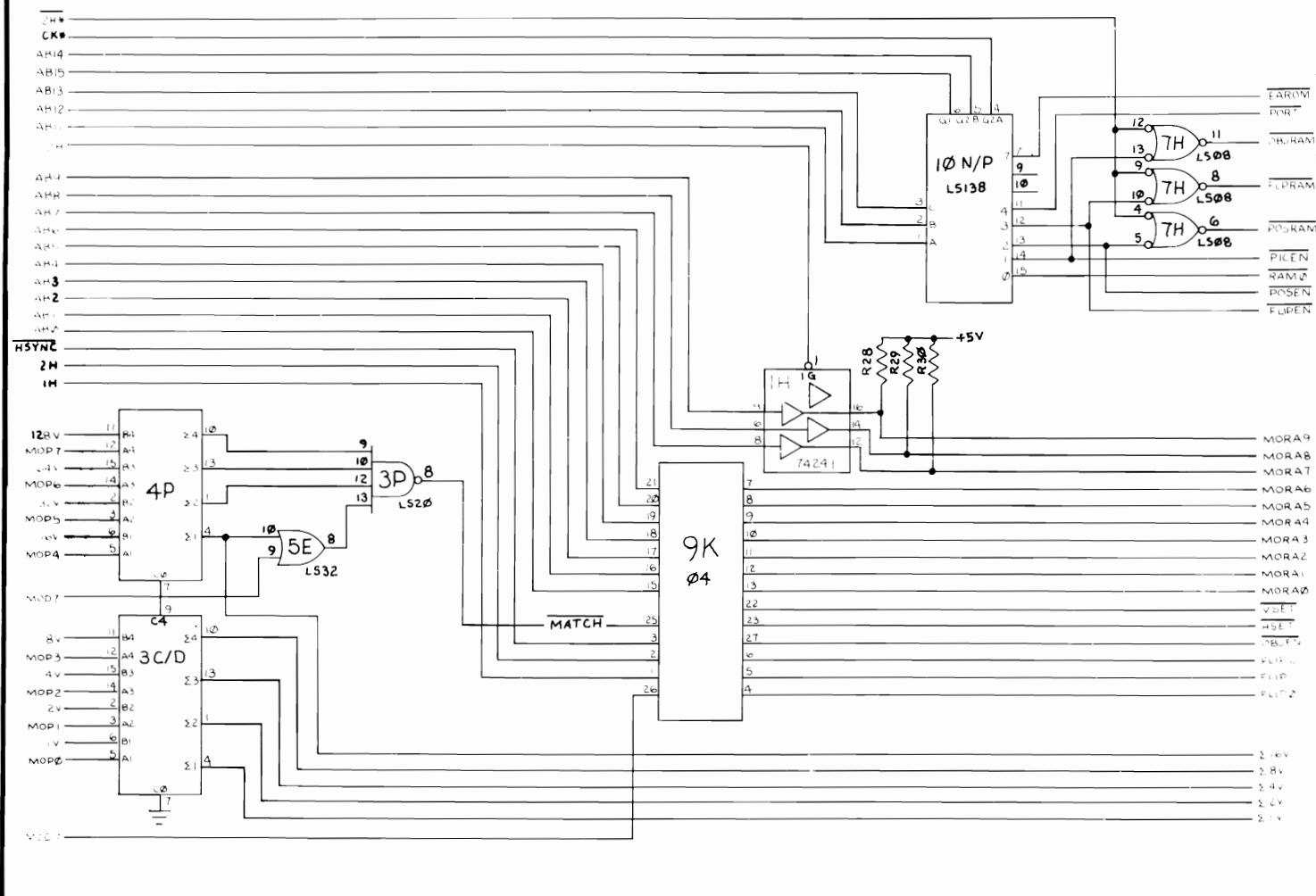
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Motion Object RAM



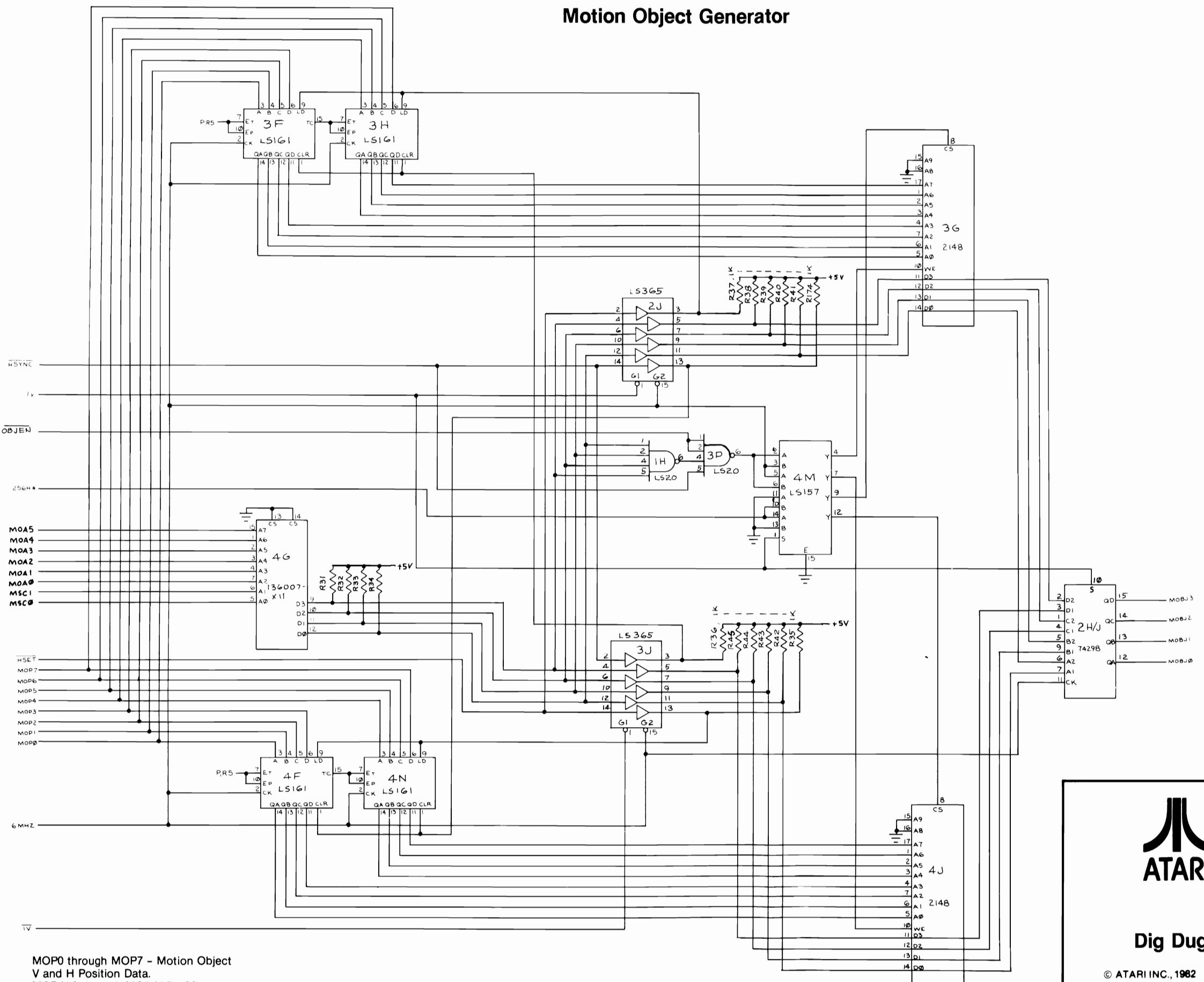
Motion Object Address Generator, Decoder, and Match Line Flag



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Dig Dug Video PCB Schematic Diagram

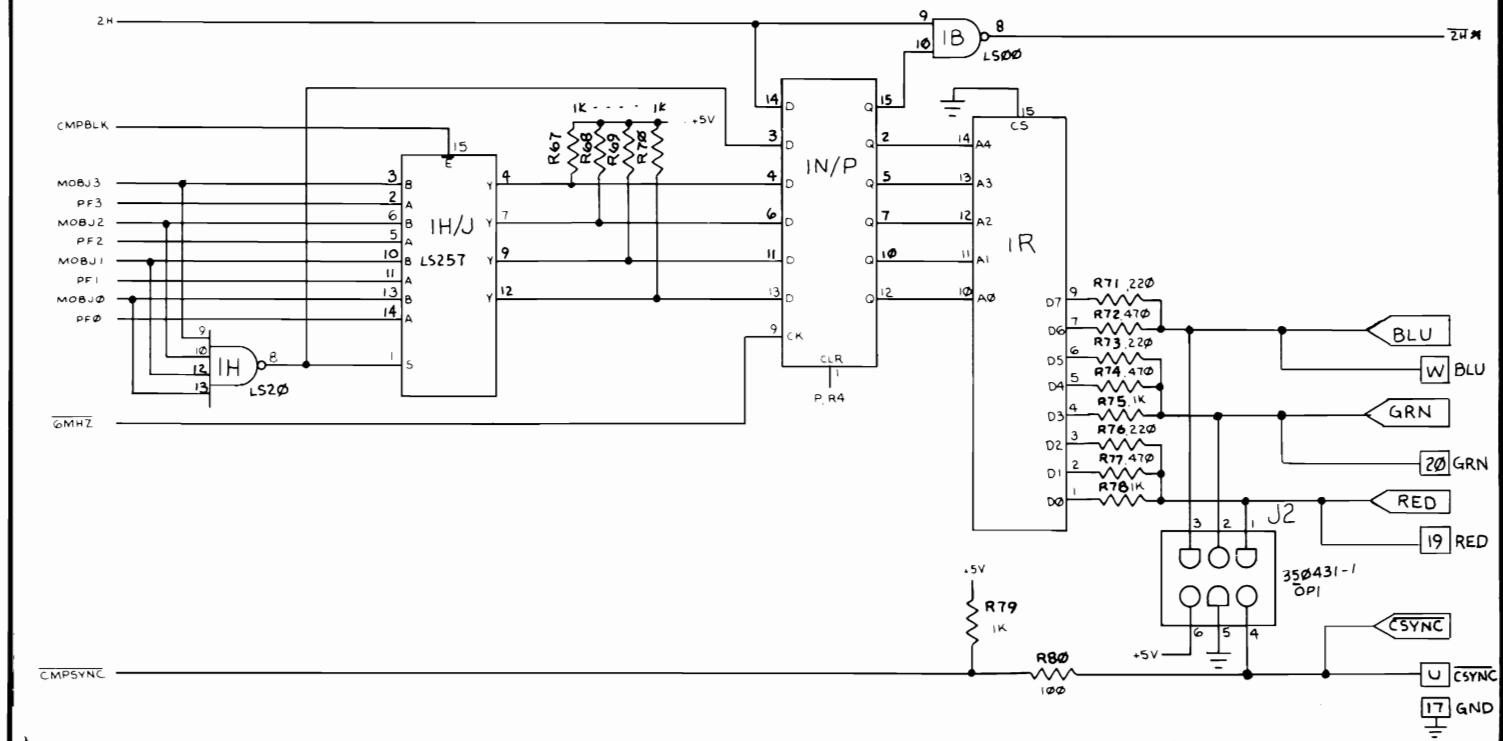
Motion Object Generator



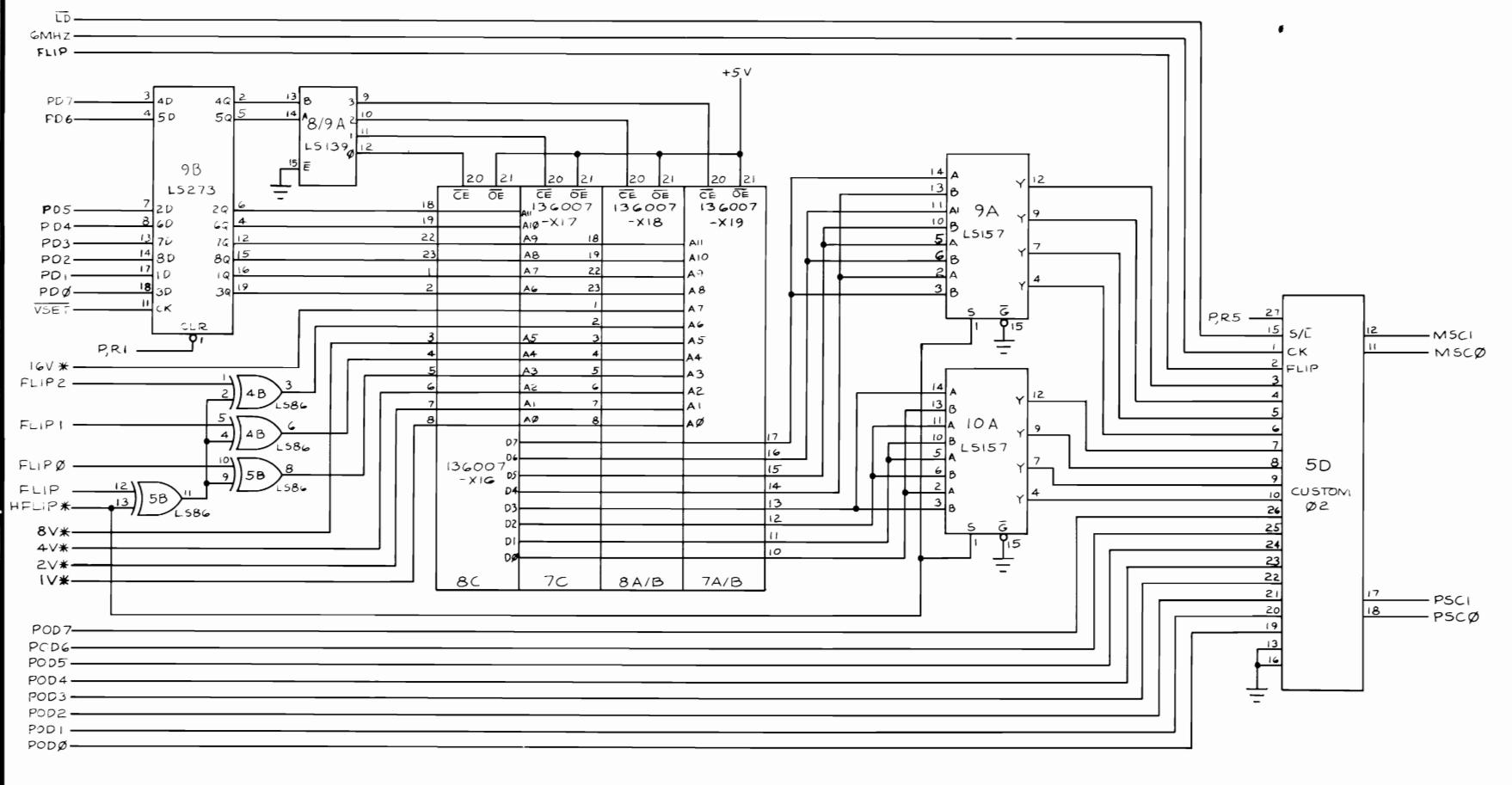
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Dig Dug Video PCB Schematic Diagram

Video Output



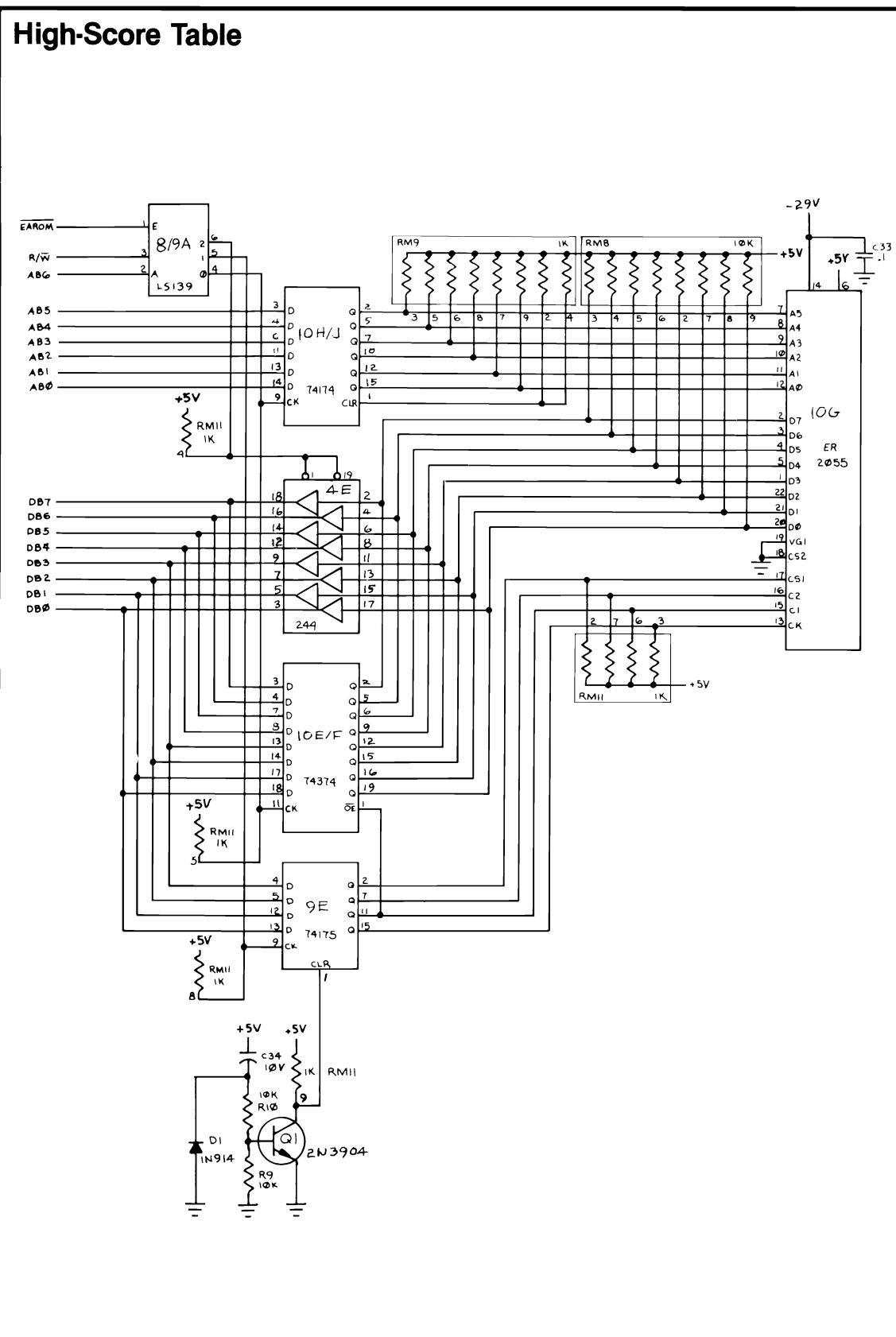
Video Color Controller



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Dig Dug Video PCB Schematic Diagram

High-Score Table



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Dig Dug Video PCB Schematic Diagram

